

Abstract of the Disclosure

5 A first interpolation processing apparatus that
engages in processing on image data which are provided in
a colorimetric system constituted of first ~ nth ($n \geq 2$)
color components and include color information
corresponding to a single color component provided at each
pixel to determine an interpolation value equivalent to
color information corresponding to the first color
10 component for a pixel at which the first color component
is missing, includes: an interpolation value calculation
section that uses color information at pixels located in a
local area containing an interpolation target pixel to
undergo interpolation processing to calculate an
15 interpolation value including, at least (1) local average
information of the first color component with regard to
the interpolation target pixel and (2) local curvature
information corresponding to at least two color components
with regard to the interpolation target pixel.